Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for providing information regarding a piece of electronic mail (e-mail), comprising:

processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail; and

graphically displaying the propagation history superimposed as a pathway on a chart showing a relationship among at least some of: the sender and the one or more recipients,

wherein the chart includes a plurality of nodes, each of which nodes represents a single person selected from the group consisting of: the sender and the one or more recipients.

Claim 2 (original): A method according to claim 1, wherein processing the data set comprises analyzing transmission information embedded in text of the e-mail.

Claim 3 (original): A method according to claim 1, wherein processing the data set comprises analyzing transmission information not contained in text of the e-mail.

Claim 4 (currently amended): A method according to claim 1, ~~for providing information regarding a piece of electronic mail (e-mail), comprising:~~

~~processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail;~~ ~~and~~

~~graphically displaying the propagation history,~~ wherein displaying the propagation history comprises designating a first visual symbol to represent transmission of the e-mail to a primary recipient, and designating a second visual symbol different from the first visual symbol to represent transmission of the e-mail to a secondary recipient.

Claim 5 (currently amended): A method according to claim 1, ~~for providing information regarding a piece of electronic mail (e-mail), comprising:~~

~~processing a data set containing transmission data associated with the e-mail so as to determine one or more~~

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~~steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail; and~~

~~graphically displaying the propagation history,~~

wherein displaying the propagation history comprises designating a first visual symbol to represent the sender and designating at least one visual symbol different from the first visual symbol to represent the one or more recipients.

Claim 6 (original): A method according to claim 5, wherein displaying the propagation history comprises designating a first color for the first visual symbol and designating a second color, different from the first color, for the at least one visual symbol.

Claim 7 (canceled)

Claim 8 (currently amended): A method <u>according to claim 1,</u> ~~for providing information regarding a piece of electronic mail (e-mail), comprising:~~

~~processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of~~

~~one or more recipients of at least a portion of the e-mail;~~
~~and~~

~~graphically displaying the propagation history,~~

wherein graphically displaying the propagation
history comprises graphically displaying the steps in the
history in an animation mode.

Claim 9 (currently amended): A method <u>according to
claim 1,</u> ~~for providing information regarding a piece of
electronic mail (e-mail), comprising:~~

~~processing a data set containing transmission data
associated with the e-mail so as to determine one or more
steps in a propagation history of the e-mail, the transmission
data including identifiers of a sender of the e-mail and of
one or more recipients of at least a portion of the e-mail;
and~~

~~graphically displaying the propagation history,~~

wherein graphically displaying the propagation
history comprises:

displaying a representation of the sender and at
least one of the recipients; and

displaying a graphical representation of movement of
the e-mail from the sender to the at least one of the
recipients.

Claim 10 (original): A method according to claim 9, wherein displaying the graphical representation of movement comprises displaying an arrow.

Claim 11 (original): A method according to claim 1, wherein processing the data set comprises determining two or more steps in the propagation history of the e-mail, the transmission data including for each step in the propagation history identifiers of a sender and one or more recipients of a respective portion of the piece of e-mail, wherein the method comprises:

receiving from a user a designation of an electronic mail correspondent;

finding at least one identifier in the transmission data corresponding to the designated correspondent; and

displaying part of the piece of e-mail responsive to finding the at least one identifier.

Claim 12 (original): A method according to claim 11, wherein displaying part of the piece of e-mail comprises displaying e-mail content sent by the correspondent.

Claim 13 (original): A method according to claim 11, wherein displaying part of the piece of e-mail comprises displaying e-mail content sent to the correspondent.

Claim 14 (previously presented): A method according to claim 11, wherein the chart includes a chart of a hierarchy, wherein displaying comprises displaying the propagation history superimposed as the pathway on the hierarchy chart, and comprising:

determining a location of the correspondent in the hierarchy; and

identifying for the user the location of the correspondent in the hierarchy chart.

Claim 15 (canceled)

Claim 16 (previously presented): A method according to claim 1, wherein the relationship includes a geographical relationship among at least some of: the sender and the one or more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing the geographical relationship.

Claim 17 (previously presented): A method according to claim 1, wherein the relationship includes a hierarchical and geographical relationship among at least some of: the sender and the one or more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing the hierarchical and geographical relationship.

Claim 18 (previously presented): A method according to claim 1, wherein the relationship includes a hierarchical relationship among at least some of: the sender and the one or more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing the hierarchical relationship.

Claim 19 (previously presented): A method according to claim 18, wherein the hierarchical relationship includes a reporting relationship among at least some of: the sender and the one or more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing the reporting relationship.

Claim 20-22 (canceled)

Claim 23 (currently amended): Apparatus for providing information regarding a piece of electronic mail (e-mail), comprising:

a processor, configured to process a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail; and

a display, configured to graphically display the propagation history superimposed as a pathway on a chart showing a relationship among at least some of: the sender and the one or more recipients, wherein the chart includes a plurality of nodes, each of which nodes represents a single person selected from the group consisting of: the sender and the one or more recipients.

Claim 24 (original): Apparatus according to claim 23, wherein the processor is configured to analyze transmission information embedded in text of the e-mail.

Claim 25 (original): Apparatus according to claim 23, wherein the processor is configured to analyze transmission information not contained in text of the e-mail.

Claim 26 (original): Apparatus according to claim 23, wherein the processor is configured to designate a first visual symbol to represent transmission of the e-mail to a primary recipient, and to designate a second visual symbol different from the first visual symbol to represent transmission of the e-mail to a secondary recipient.

Claim 27 (original): Apparatus according to claim 23, wherein the processor is configured to designate a first visual symbol to represent the sender, and to designate at

least one visual symbol different from the first visual symbol
to represent the one or more recipients.

Claim 28 (original): Apparatus according to claim
27, wherein the processor is configured to designate a first
color for the first visual symbol, and to designate a second
color, different from the first color, for the at least one
visual symbol.

Claim 29 (canceled)

Claim 30 (previously presented): Apparatus according
to claim 23, wherein the processor is configured to drive the
display to graphically display the steps in the history in an
animation mode.

Claim 31 (previously presented): Apparatus according
to claim 23, wherein the processor is configured to drive the
display to display a representation of the sender and at least
one of the recipients, and to display a graphical
representation of movement of the e-mail from the sender to
the at least one of the recipients.

Claim 32 (original): Apparatus according to claim
23, wherein the processor is configured to determine two or
more steps in the propagation history of the e-mail, the
transmission data including for each step in the propagation

history identifiers of a sender and one or more recipients of

a respective portion of the piece of e-mail, and wherein the

processor is configured to:

receive from a user a designation of an electronic

mail correspondent;

find at least one identifier in the transmission

data corresponding to the designated correspondent; and

drive the display to display part of the piece of e-

mail responsive to finding the at least one identifier.

Claim 33 (previously presented): Apparatus according

to claim 32, wherein the chart includes a chart of a

hierarchy, wherein the display is configured to display the

propagation history superimposed as the pathway on the

hierarchy chart, and wherein the processor is configured to:

determine a location of the correspondent in the

hierarchy; and

drive the display to identify for the user the

location of the correspondent in the hierarchy chart.

Claim 34 (canceled)

Claim 35 (previously presented): Apparatus according

to claim 23, wherein the relationship includes a hierarchical

relationship among at least some of: the sender and the one or

more recipients, and wherein the processor is configured to

drive the display to display the propagation history
superimposed as the pathway on the chart showing the
hierarchical relationship.

Claim 36 (canceled)

Claim 37 (currently amended): A computer program
product for providing information regarding a piece of
electronic mail (e-mail), the product comprising a computer-
readable medium having program instructions embodied therein,
which instructions, when read by a computer, cause the
computer to:

process a data set containing transmission data
associated with the e-mail so as to determine one or more
steps in a propagation history of the e-mail, the transmission
data including identifiers of a sender of the e-mail and of
one or more recipients of at least a portion of the e-mail;
and

graphically display the propagation history
superimposed as a pathway on a chart showing a relationship
among at least some of: the sender and the one or more
recipients, wherein the chart includes a plurality of nodes,
each of which nodes represents a single person selected from
the group consisting of: the sender and the one or more
recipients.

Claim 38 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to analyze transmission information embedded in text of the e-mail.

Claim 39 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to analyze transmission information not contained in text of the e-mail.

Claim 40 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to designate a first visual symbol to represent transmission of the e-mail to a primary recipient, and to designate a second visual symbol different from the first visual symbol to represent transmission of the e-mail to a secondary recipient.

Claim 41 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to designate a first visual symbol to represent the sender and designate at least one visual symbol different from the first visual symbol to represent the one or more recipients.

Claim 42 (original): A computer program product according to claim 41, wherein the instructions, when read by the computer, cause the computer to designate a first color for the first visual symbol and designate a second color, different from the first color, for the at least one visual symbol.

Claim 43 (canceled)

Claim 44 (previously presented): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to graphically display the steps in the history in an animation mode.

Claim 45 (previously presented): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to:

display a representation of the sender and at least one of the recipients; and

display a graphical representation of movement of the e-mail from the sender to the at least one of the recipients.

Claim 46 (original): A computer program product according to claim 45, wherein the instructions, when read by

the computer, cause the computer to display an arrow to represent the movement.

Claim 47 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to determine two or more steps in the propagation history of the e-mail, the transmission data including for each step in the propagation history identifiers of a sender and one or more recipients of a respective portion of the piece of e-mail, and wherein the instructions, when read by the computer, cause the computer to:

receive from a user a designation of an electronic mail correspondent;

find at least one identifier in the transmission data corresponding to the designated correspondent; and

display part of the piece of e-mail responsive to finding the at least one identifier.

Claim 48 (original): A computer program product according to claim 47, wherein the instructions, when read by the computer, cause the computer to display e-mail content sent by the correspondent.

Claim 49 (original): A computer program product according to claim 47, wherein the instructions, when read by

the computer, cause the computer to display e-mail content
sent to the correspondent.

Claim 50 (previously presented): A computer program
product according to claim 47, wherein the chart includes a
chart of a hierarchy, and wherein the instructions, when read
by the computer, cause the computer to:

display the propagation history superimposed as the
pathway on the hierarchy chart;

determine a location of the correspondent in the
hierarchy; and

identify for the user the location of the
correspondent in the hierarchy chart.

Claim 51 (canceled)

Claim 52 (previously presented): A computer program
product according to claim 37, wherein the relationship
includes a geographical relationship among at least some of:
the sender and the one or more recipients, and wherein the
instructions, when read by the computer, cause the computer to
display the propagation history superimposed as the pathway on
the chart showing the geographic relationship.

Claim 53 (previously presented): A computer program
product according to claim 37, wherein the relationship

includes a hierarchical and geographical relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to display the propagation history superimposed as the pathway on the chart showing the hierarchical and geographic relationship.

Claim 54 (previously presented): A computer program product according to claim 37, wherein the relationship includes a hierarchical relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to display the propagation history superimposed as the pathway on the chart showing the hierarchical relationship.

Claim 55 (previously presented): A computer program product according to claim 54, wherein the hierarchical relationship includes a reporting relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to display the propagation history superimposed as the pathway on the chart showing the reporting relationship.

Claims 56-58 (canceled)

Claim 59 (previously presented): A method according to claim 14, wherein the hierarchy chart includes a tree, wherein determining the location of the correspondent comprises determining the location of the correspondent in the tree, wherein displaying the hierarchy chart comprises displaying the tree, and wherein identifying the location of the correspondent comprises identifying the location of the correspondent in the tree.

Claim 60 (previously presented): A method according to claim 14, wherein the hierarchy includes a hierarchy of an organization, wherein determining the location of the correspondent comprises determining the location of the correspondent in the hierarchy of the organization, wherein displaying the hierarchy chart comprises displaying the hierarchy chart of the organization, and wherein identifying the location of the correspondent comprises determining the location of the correspondent in the hierarchy chart of the organization.

Claim 61 (currently amended): A method according to claim 18, wherein the chart shows a hierarchy of an organization of persons, and wherein the hierarchical relationship includes an organizational hierarchical relationship among at least some of: the sender and the one or

more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing the organizational hierarchical relationship.

Claim 62 (previously presented): A method according to claim 18, wherein the chart showing the hierarchical relationship includes a tree, and wherein displaying the propagation history comprises displaying the propagation history superimposed as the pathway on the tree.

Claim 63 (previously presented): Apparatus according to claim 33, wherein the hierarchy chart includes a tree, and wherein the processor is configured to:

determine a location of the correspondent in the tree;

drive the display to display the tree; and

drive the display to identify for the user the location of the correspondent in the tree.

Claim 64 (previously presented): Apparatus according to claim 33, wherein the hierarchy includes a hierarchy of an organization, and wherein the processor is configured to:

determine a location of the correspondent in the hierarchy of the organization;

drive the display to display the hierarchy chart of the organization; and

drive the display to identify for the user the location of the correspondent in the hierarchy chart of the organization.

Claim 65 (currently amended): Apparatus according to claim 35, wherein the chart shows a hierarchy of an organization of persons, and wherein the hierarchical relationship includes an organizational hierarchical relationship among at least some of: the sender and the one or more recipients, and wherein the processor is configured to drive the display to display the propagation history superimposed as the pathway on the chart showing the organizational hierarchical relationship.

Claim 66 (previously presented): Apparatus according to claim 35, wherein the processor is configured to drive the display to display the hierarchical relationship as a tree, and the propagation history superimposed as the pathway on the tree.

Claim 67 (previously presented): A computer program product according to claim 50, wherein the hierarchy chart includes a tree, and wherein the instructions, when read by the computer, cause the computer to:

determine the location of the correspondent in the tree;

display the tree; and

identify the location of the correspondent in the

tree.

Claim 68 (previously presented): A computer program

according to claim 50, wherein the hierarchy includes a

hierarchy of an organization, and wherein the instructions,

when read by the computer, cause the computer to:

determine the location of the correspondent in the

hierarchy of the organization;

display the hierarchy chart of the organization; and

identify the location of the correspondent in the

hierarchy chart of the organization.

Claim 69 (currently amended): A computer program

according to claim 54, wherein the chart shows a hierarchy of

an organization of persons, and wherein the hierarchical

relationship includes an organizational hierarchical

relationship among at least some of: the sender and the one or

more recipients, and wherein the instructions, when read by

the computer, cause the computer to display the propagation

history superimposed as the pathway on the chart showing the

organizational hierarchical relationship.

Claim 70 (previously presented): A computer program

according to claim 54, wherein the chart showing the

hierarchical relationship includes a tree, and wherein the

instructions, when read by the computer, cause the computer to

display the propagation history superimposed as

the pathway on the tree.